



ITS Canada News

ITS Canada Mission to London

By Colin Rayman, General Manager – ITS Canada

ITS Canada's Chairman Joseph Lam led a mission to London, England, from October 8 to 12, 2006, to the 13th World Congress on Intelligent Transport Systems and Services. Members participating in the mission included **Applanix Corporation, Delcan Corporation, IBI Group, Intelligent Mechatronic Corporation, Novax Industries Limited, and RuggedCom Corporation**. Highlights of the mission were a cocktail reception sponsored by Ontario's Ministry of Economic Development and Trade at the ITS Canada booth, and a dinner for one hundred specially invited guests, co-hosted by ITS Canada and Transport Canada on board the HMS Belfast, located on the Thames River, near Tower Bridge.

At the hospitality event, guests were piped on board and welcomed with beverages before exploring the vessel. A veteran of the HMS Belfast gave a talk about the history and missions that the cruiser was involved with before guests sat down for dinner. The HMS Belfast was launched in March 1938 and served throughout the Second World War and later supported UN Forces in Korea, remaining in service until 1965. In 1971, she was saved as a unique reminder of Britain's naval heritage. Now owned and managed by the Imperial War Museum, she is a popular tourist attraction permanently moored between London Bridge and Tower Bridge.

ITS Canada's hospitality event provided an opportunity to network with leading industry participants from around the world, including the United States, Europe, South America, Africa, Australia and Asia. Chairman Joseph Lam and Susan Spencer of Transport Canada were on hand to provide welcoming remarks. Also welcoming guests were Canada's and Ontario's Trade Commissioners stationed in London.

The 13th World Congress on ITS was an outstanding success, with over 7,000 participants from 75 countries representing government, academia and the private sector. The Congress included sessions, technical tours, social events, networking opportunities and a large exhibit hall, which featured many exhibits that attracted over 3,900 different visitors.

ITS Canada has organized a mission to ITS World Congresses each year since the 4th ITS World Congress in Berlin. Toronto was host for the 6th ITS World Congress in 1999, and ITS World Congress missions have become a valuable means of outreach to partners and potential clients in other countries. The event raises the profile of Canada's ITS community among many delegates to the World Congress, and is a successful means of projecting member interests to a very targeted audience.

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Submissions or comments can
be e-mailed to
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Visit ITS Canada's website at
www.itscanada.ca

ITS Canada Scholarship

By William Johnson, Chair of ITS Canada's Education and Training Committee

On Friday, September 22, 2006, ITS Canada's Board of Directors presented ITS Canada's Michel Van Aerde Memorial Scholarship award to this year's recipient, **Andrew Rae**. The award of \$5,000 is made through a competitive process to a student registered full-time in a graduate studies program at a Canadian university related to intelligent transport systems.

Andrew Rae of the University of Waterloo was the successful winner of the award for 2006. The Review Committee made its selection based on his strong academic record, clearly stated goals, demonstrated understanding of ITS and strong letters of recommendation.

Andrew is a graduate of the University of New Brunswick (BSc Eng) and the University of Toronto (MSc) in Electrical and Computer Engineering. In 2005, he was accepted into the PhD program in Electrical and Computer Engineering at the University of Waterloo. His doctoral research will focus on the use of computer vision systems, the Global Positioning System (GPS) and Geographic Information Systems (GIS) for monitoring and assessing the position and environment of motor vehicles. Andrew has worked in industry as a research engineer, and is planning to pursue a career in research, development and teaching related to the automotive sector.

ITS Canada extends congratulations to Andrew and wishes him every success in his graduate studies.



Mission to the World Congress on ITS



A cocktail reception sponsored by Ontario's Ministry of Economic Development and Trade was held at ITS Canada's exhibit booth



ITS Canada Elections

Elections for ITS Canada's Board of Directors will be held early in 2007. In order to be eligible to cast a ballot and/or run for election to the Board of Directors, membership dues must be fully paid. The Director positions cover a two-year term, beginning with the Annual General Meeting (AGM) in May 2007 and ending with the AGM in Spring 2009. For full details on the responsibilities of Directors, please visit:

www.itscanada.ca/english/documents/DirectorResponsibilities.pdf



ITS Canada News

CITE Conference – ‘The World in a City’

May 6 to 9, 2007 ~ Toronto, Ontario

The Canadian Institute of Transportation Engineers (CITE) is now organizing the technical program for its 2007 Conference. The CITE conference brings together transportation professionals from across the country and beyond, in a combined conference/trade show that typically attracts between 200 and 300 registrants. The overall conference theme, ***The World in a City***, recognizes Toronto as a centre for sharing experiences and insights from around the world.

Building upon the 2007 conference theme **The World in a City**, CITE is excited to invite delegates to bring your national and international transportation experiences and knowledge to share with us in May 2007. In return, CITE is promising you a superior conference experience and some unique social events and technical tours that would generally not be part of your typical personal or business trip to Toronto.

The 2007 Local Arrangements Committee has been busy preparing the technical and social aspects of the conference, and is planning to distribute a complete conference invitation in the Fall of this year. To keep abreast of the conference-related announcements and key dates, CITE will periodically be inviting you to visit the conference website as updates are provided.

In the meantime, CITE is hoping that you are setting aside the time in your calendar and making the necessary arrangements to ensure you are able to enjoy the 2007 CITE Conference.

The conference hotel, the Holiday Inn on King, is located in the heart of Toronto's Downtown. Within minutes, delegates can walk to 150 unique restaurants and bars, the theatre district and major Downtown attractions. The rooftop pool provides a timely refuge with a 270° view of the downtown skyline and Lake Ontario.

The purpose of the **Call for Papers** is to solicit abstracts for the technical paper sessions. We are looking to our members to share experiences and insights from research and new applications in a wide variety of transportation disciplines. Topics to be discussed at the Conference include Transportation Technology, Sustainable Transportation, Intelligent Transportation Systems, Transportation Demand Management, Work Zones, Traffic Signals, Traffic Management and other current subjects.

Abstract Submissions

Abstracts should be a maximum of 250 words in length and provide details on the background of the issues addressed, objectives of the work described, methodology applied and conclusions reached. Abstracts will be reviewed for quality, general interest, and overall significance. Those authors whose abstracts receive tentative approval will be invited to submit a full paper for the presentation sessions.

Schedule For Submission

The following is the schedule for the technical program paper submissions:

- Submission of abstracts: 11/15/06 (*date extended!*)
- Tentative Acceptance by CITE: 12/15/06
- Submission of full papers for final review: 02/15/07
- Full papers reviewed by CITE: 03/01/07
- Final acceptance or submission of revisions: 03/30/07
- Confirmation of authorization to submit will be required following approval.

How To Submit An Abstract

Abstracts must be submitted by email to CITE2007@itransconsulting.com and must provide the following information:

- Paper Title
- Author's Name (If there is more than one author, please identify the principal author. All correspondence will be sent to the principal author.)
- Full Contact Information (including email address)
- Indication of eligibility for student paper awards
- Author's photograph (required with submission of paper).



ITS Canada News

CUTA Fall Conference Features ITS Sessions

News bITS

CUTA's upcoming Fall Conference, being held November 4 to 8, 2006, in Toronto, Ontario, features three ITS workshops on November 8th:

Session 10: ITS Workshop – Customer Amenities

Overall customer response and lessons learned will be shared with transportation providers that are investigating ITS applications: “511” for travel updates that cross all boundaries; a commuter “e-news” service that provides immediate service interruption updates to users’ email; VIA Rail’s new offering of wireless Internet access on its passenger trains.

Session 13: ITS Workshop – ITS Applications

BC Transit’s HandyDART dispatch service demonstrates ITS initiatives that help both management and staff. At the STO in Gatineau, dynamic message signs at bus stops provide real-time information. The session will also cover Benefit-Cost Evaluation to implement ITS applications.

Session 16: ITS Workshop – ITS Architecture and Transit Technologies

This session will focus on Canadian ITS architecture and emerging transit technologies that are being implemented throughout Canada. The ITS Architecture for Canada provides a common framework for intelligent transportation systems. York Region is enhancing customer travel amenities through new technologies that provide accurate and convenient access to information. Showcased will be real-time information at stops, trip planning, and on-board video screens to enhance the overall customer experience. Experiences will also be shared on Halifax’s exploration of the robustness of Transit Signal Priority as it relates to its services, and on Grand River Transit’s new ITS technologies on its new iXpress service. The workshop closes with projects being studied at the ITS laboratory at the University of Toronto and a panel discussion on the future of ITS.

For additional information, please visit:

www.cutaactu.ca/en/toronto

Second Pan-American ITS Congress and Exhibition

ITS Canada, ITS Argentina, ITS Chile, ITS Brazil and ITS America co-founded a regional platform called Pan-American ITS (PAITS) in order to establish cooperation and exchange links among all ITS national associations in the Americas. The effort is also expected to result in better coordination for the development and deployment of ITS in the regions, particularly in terms of shared standards and architecture, education and training, and commercial activities in general.

On a rotating basis, the members of Pan-American ITS sponsor an annual regional ITS congress and exhibition. This year, the **Second Pan-American ITS Congress** will be held in Santiago, Chile, on November 15 to 17, offering unique networking opportunities, a fantastic display of technologies in the exhibit hall, and an international selection of distinguished speakers discussing leading regional and local projects, new technologies and solutions, and other topics of interest.

For additional information, please visit:

www.itschile.cl/congreso_2006/index_en.htm.

Global ITS Directory

ITS Spain has developed a new World ITS Directory, an online listing through which users can identify key decision-makers and specialists from around the world. It provides information on organizations’ knowledge bases and areas of expertise. Any professional involved in ITS-related activities for a public or private organization can register online. Inclusion and access are free to both individuals and organizations.

For additional information, please visit:

www.worlditsdirectory.com.

Members in the News

EIS Electronic Integrated Systems Inc. has entered into an agreement with Blackhawk Enterprises to supply 24 Remote Traffic Microwave Sensor (RTMS) devices for Chattanooga's Fog Detection System in Tennessee. This brings the total numbers of RTMS detectors installed in Tennessee to over 900. RTMS is a sensor for the detection and measurement of traffic, providing per-lane presence, volume, occupancy, speed and classification information in up to eight detection zones simultaneously. EIS has also completed installation of RTMS detectors for the SCOOT system in Collier County, Florida. The project involved 165 detectors – a combination of RTMS SPIDER systems and inductive loops. The SPIDER was installed at 16 intersections with 16 solar-powered wireless DSS radio RTMS sensors monitoring a total of 65 lanes. For more information, visit www.eistraffic.com.



Novax Industries has launched TransPOD, a multilayered applications-based technology, providing Transit Signal Priority (TSP), Emergency Vehicle Preemption and a host of MISP™ *Municipal Infrastructure Service Products* across a secure mobile communications architecture. The combination of GPS, inertial navigation and distance measuring allows each TransPOD bus a determination of location with precision, even in urban canyons and underground parking lots. This facilitates a range of benefits, from automated next-stop announcements to location-based advertisements. In terms of TSP and Emergency Vehicle Preemption, Novax has developed a comprehensive range of criteria that can be applied. TransPOD's ability to communicate across virtually any wireless communications architecture - WiFi, 3G-4G, HSDPA, EVDO - allows substantial operating and service enhancements, such as AVL, emergency

video from the bus, VOIP communications (driver as well as passengers), remote telemetry such as passenger counts, fares collected and status of onboard systems (engine parameters) and a variety of public service opportunities including Internet access. For more information, visit www.novax.com.



Traficon has signed with Traffic Systems, specialists in traffic signal engineering design, as UK and Northern Ireland distributors for Traficon's Traficam sensor. The sensor eliminates the need for installing road loops by imposing virtual loops covering up to eight lanes, and they are already on trial in several locations. For more information, visit: www.traficon.com.



On October 12, 2006, **TransLink** released its business case for the Evergreen Light Rapid Transit Line to the North East Sector. The Evergreen Line will convert 1.9 million annual car trips to transit, growing to 3.6 million trips per year by 2021. Giving the growing population of the North East Sector access to the region's rapid transit network will attract 5 million new riders to transit when the Millennium Line and bus improvements are included. As a result, the line will cover 94 percent of its annual operating costs in 2013 and will more than cover its operating costs by 2021. One of its greatest benefits will be the effectiveness of rapid rail transit to convert single-occupant vehicle trips to public transit. Without a viable rapid transit alternative, by 2021 there will be almost 50,000 more vehicles in the North East Sector than there are today, and the competition for road capacity will become even more intense. For more information, visit TransLink's website and select Rapid Transit Expansion:

www.translink.bc.ca/Plans_Projects



Upcoming Events

13th World Congress and Exhibition on Intelligent Transport Systems and Services
October 8 to 12, 2006 – London, UK
www.itsworldcongress.com

IMSA Traffic Expo
October 25, 2006 – Brampton, Ontario
www.imsa.ca

CUTA 2006 Fall Conference and Trans-Expo
November 4 to 8, 2006 – Toronto, Ontario
Trans-Expo – November 7
www.cutaactu.on.ca

IBTTA Technology Workshop
November 12 to 14, 2006 - Santiago, Chile
www.ibtta.org/Events

ITS Canada Training Workshop: Implementing Integrated Traveller Information Services in Eastern Ontario & Outaouais
November 15, 2006 – Ottawa, Ontario
www.itscanada.ca/ottawa2006

5th Chilean Congress / 2nd Pan American Congress on ITS and Exhibition
November 15 to 17, 2006 – Santiago, Chile
www.itschile.cl/congreso_2006/index_en.htm

First Middle-East ITS Conference
December 4 and 5, 2006 – Dubai, UAE
www.its-arab.org

ITS Canada Training Workshop: Intelligent Transportation Systems and Transit
December 7, 2006 – Montreal, Quebec
www.itscanada.ca/montreal2006

TAC's Spring 2007 Technical Meetings
April 11 to 18, 2007 – Ottawa, Ontario
www.tac-atc.ca

Smart Moving Conference 2007 / Traffex 2007
April 17 to 19, 2007 – Birmingham, UK
Theme: "SMART Solutions for Today"
www.its-uk.org.uk

ITS Canada Annual Conference and General Meeting
April 29 to May 1, 2007 – Niagara Falls, Ontario
www.itscanada.ca/niagara2007

SASITS e-Transport Conference
March 6 to 8, 2007 – Pretoria, South Africa
www.sasits.com

CITE 2007 Conference
May 6 to 9, 2007 – Toronto, Ontario
www.itetoronto.ca

Intertraffic Istanbul
May 9 to 11, 2007 – Istanbul, Turkey
www.intertraffic.com

XVII Canadian Multidisciplinary Road Safety Conference
June 3 to 6, 2007 – Montreal, Quebec
www.cmrrsc.polymtl.ca

ITS America 2007 Annual Meeting and Exposition
June 4 to 6, 2007 – Palm Springs, California
www.itsa.org

European ITS Congress
June 18 to 20, 2007 – Aalborg, Denmark
www.itsineurope.com

14th World Congress on ITS
October 9 to 13, 2007 – Beijing, China
www.itsa.org

Intertraffic China
March 15 to 17, 2007 – Beijing, China
www.intertraffic.com

2007